

## EAST Search History

S12	600	348/231.99.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/28 16:03
S7	12196	integrat\$3 with image with sens\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/28 16:09
S14	6	S3 and S7 and S8	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/28 16:10
S17	1	("7002628").PN.	US-PGPUB; USPAT	OR	OFF	2007/09/28 16:14
S16	12	S3 and S8 and S15	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/28 16:14
S18	106327	(integrat\$3 or chip) with imag\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/28 16:42
S15	18818	(integrat\$3 or chip) with image with sens\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/28 16:42
S8	1778	(ADC or analog adj2 digital) and edge near2 (enhanc\$4 or correct\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/28 16:42
S22	236	S20 and S21	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/28 16:43
S21	7407	(S9 or S10 or S11 or S12)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/28 16:43

## EAST Search History

S20	4840	S18 and S19	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/28 16:43
S19	34740	(ADC or AD or analog adj2 digital) and (edge or contour) and (correlat\$3 or CDS)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/28 16:43
S23	26	("20020067416"   "20020171102"   "20030150976"   "20040182927"   "20050110719"   "20050195304"   "20050270385"   "20050280730"   "20060237751"   "20060243891"   "20060266923"   "20060284999"   "4567444"   "5168210"   "5774013"   "5804956"   "5933051"   "6064274"   "6188268"   "6232756"   "6271716"   "6337596"   "6452632"   "6667653"   "6903771"   "6952228").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/28 16:55
S28	27	S21 and S27	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/28 17:10
S27	641	S19 and S26	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/28 17:10
S26	24604	S25 same (switch\$3 or transistor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/28 17:10
S25	64813	capacit\$3 same S24	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/28 17:10
S24	1006746	(combin\$5 or sum\$4 or add\$4 or synthes\$4) with (signal or pixel or charge)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/28 17:17

## EAST Search History

S29	853666	(combin\$5 or sum\$4 or add\$3 or synthes\$4) with (signal or pixel or charge)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/28 17:22
S30	428319	(combin\$3 or sum\$4 or add\$3 or synthes\$4) near3 (signal or pixel or charge)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/28 17:23
S32	129	S31 and S21	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/28 17:31
S31	5576	S30 same capacit\$3 same switch\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/28 17:31
S34	1	("7265784").PN.	US-PGPUB; USPAT	OR	OFF	2007/09/28 18:20
S33	19	("4399426"   "4425550"   "4498072"   "4628362"   "5099239"   "5408335"   "5708263"   "5724095"   "5793322"   "5877715"   "5892540"   "5900623"   "5945935"   "6018364"   "6025875"   "6115066"   "6118400"   "6198423"   "6483541").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/28 18:20
L2	106327	(integrat\$3 or chip) with imag\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/29 14:55
L4	12	(noise near4 (remov\$4 or reduc\$4 or eliminat\$3 or cancel\$3 or subtract\$3)) same (edge near3 enhanc\$3) same (ADC or A/D or AD or analog adj1 digital)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/29 14:58
L6	77	2 and 5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/29 15:10
L1	0	(CDS or correlat\$3 adj2 sampl\$3) same edge near3 enhanc\$3 same (ADC or AD or analog adj1 digital)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/29 15:10

## EAST Search History

L9	14	(CDS or correlat\$3 adj2 sampl\$3) same (edge near3 enhanc\$5) same (ADC or A/D or AD or analog adj1 digital)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/29 15:11
L8	338	(CDS or correlat\$3 adj2 sampl\$3) same analog near2 (process\$3 or enhanc\$5) same (ADC or AD or analog adj1 digital)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/29 15:11
L7	2	(CDS or correlat\$3 adj2 sampl\$3) same edge near3 enhanc\$5 same (ADC or AD or analog adj1 digital)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/29 15:11
L5	338	(CDS or correlat\$3 adj2 sampl\$3) same analog near2 (process\$3 or enhanc\$4) same (ADC or AD or analog adj1 digital)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/29 15:11
L10	6	analog adj2 edge adj2 (enhanc\$5 or correct\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/29 15:17
L12	42	11 and "348"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/29 15:23
L11	111	2 and (CDS or correlat\$3 adj2 sampl\$3) and (edge near3 enhanc\$3) and (ADC or A/D or AD or analog adj1 digital)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/29 15:23
L3	3	(CDS or correlat\$3 adj2 sampl\$3) same (edge near3 enhanc\$3) same (ADC or A/D or AD or analog adj1 digital)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/29 15:23
L37	11	("5665959"   "5926214"   "5933530"   "5973661"   "6084635"   "6115066"   "6133862"   "6344877").PN. OR ("6573936").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/29 15:42
L39	1	("5734152").PN.	US-PGPUB; USPAT	OR	OFF	2007/09/29 15:54

## EAST Search History

L38	15	("4945418"   "5038369"   "5345111"   "5434619"   "5534864"   "5633679"   "5748303"   "5923370"   "6072527"   "6304292").PN. OR ("6747695").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/29 15:54
L41	0	40 same temperture	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/29 17:23
L40	291	dark adj1 current with fixed near2 pattern near2 noise	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/29 17:23
L43	1	("6057539").PN.	US-PGPUB; USPAT	OR	OFF	2007/09/29 17:36
L42	30	40 same temperature	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/29 17:36